

30 MW Solar Project



City Council Presentation
February 12, 2009

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Solar Goals

- Council approved the current solar goals with the adoption of the 2003 Austin Energy Strategic Plan:
 - 15 MW of solar by 2007
 - 30 MW of solar by 2010
 - 50 MW of solar by 2014
 - 100 MW of solar by 2020

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Benefits

- No carbon
- Lowest cost option in the long run
- Production coincident with peak demand
- No fuel cost – savings opportunity over long term
- Green collar jobs
- No transmission congestion

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Process

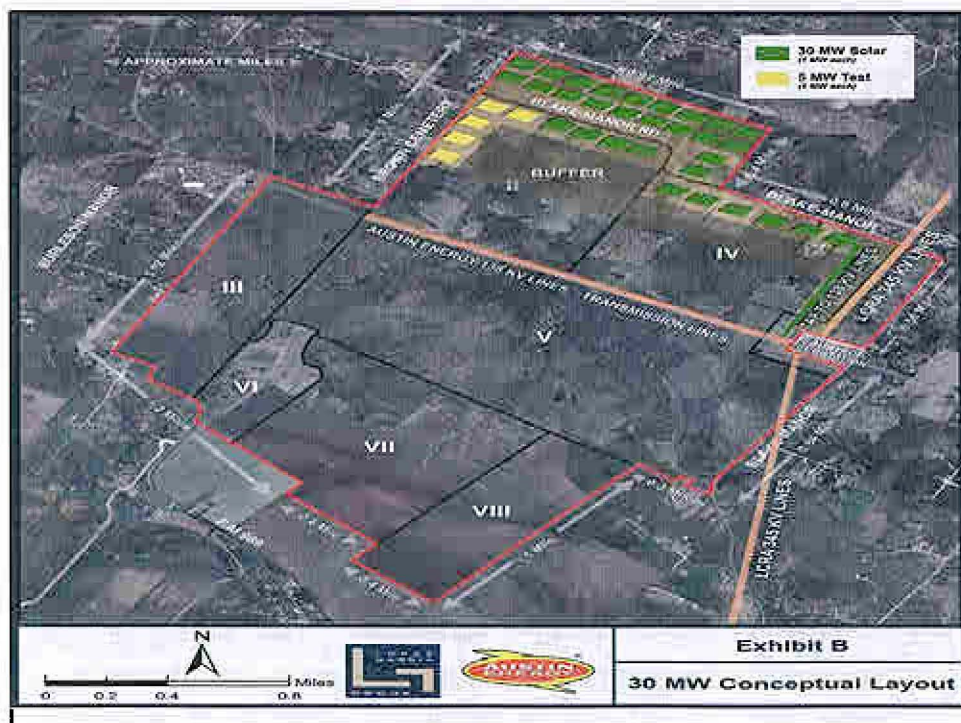
July 2007	Notified City Council
September 2008	RFP issued
November 2008 - February 2009	Town Hall, Stakeholder Meetings for Public Participation Process
January 20 & 26, 2009	Briefed RMC, EUC and received recommendations
February 3, 2009	Met with Key Account Customers
February 9, 2009	Met with Park Springs Neighborhood

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Scope of the RFP

- Purchase 30 MW of solar capacity & energy
- Fixed price (\$/MWh) for all energy, capacity, RECs & environmental attributes
- 25 year Power Purchase Agreement (PPA)
- AE provided site at Webberville
- Proposer responsible for permitting, design, construction, operation & maintenance
- Project online by 12/31/2010

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RFP Responses

- All responses are for PV systems
- 15 firms submitted proposals
 - Proposals from 5 firms deemed non-responsive
- Final Evaluation Matrix represents best and lowest fixed price proposals – 10 Total

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RFP Evaluation Overview

- Evaluation Factors 100 pts Total:
 - Corporate /Professional Experience 10
 - Financial Strength & Structure 10
 - Operational Viability 10
 - Total Cost (fixed \$/MWh) 70

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Recommended Proposal

GEMINI SOLAR DEVELOPMENT COMPANY, LLC

- 50-50 Joint venture of Suntech Power (Suntech) & MMA Renewable Ventures (MMARV)
- Suntech:
 - Largest module producer in the world
 - Headquartered in China with US affiliate in San Francisco
 - 4 production sites in China & 1 in Japan
- MMARV
 - Develops, finances, owns & operates renewable projects in the US
 - Currently managing 29 solar installations (34 MW)
 - Largest project is a 14 MW ground-based solar PV installation at Nellis Air Force Base in Nevada completed in Dec. 07

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30 MW Project Overview

- Largest single solar PV project in the U.S.
- Approximately 171,000 Suntech polycrystalline silicon modules
- Ground-mounted on single-axis trackers with 20 degree tilt
- 300 acre footprint (within planned project area)
- Interconnect to AE's 138kV transmission system
- Includes decommissioning of the PV plant & recycling of modules at end of term

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14 MW Nellis Air Force Base – Completed Dec 07

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MBE/WBE Goals

- RFP included M/WBE Goals:

Enterprise	Professional Services Participation Goals	Construction Participation Goals
African-American	1.7%	1.7%
Hispanic	9.5%	9.7%
Asian / Native American	5.3%	1.5%
Women	14.2%	12.6%

- Gemini executed a Statement of Commitment to meet the Goals

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Recommendation



- Recommend Agreement with Gemini Solar Development Company, LLC (GEM) – best evaluated proposal
 - 25 year agreement
 - Online by year-end 2010
 - Fixed price with total estimated amount of \$250M over term

Peak Generation Cost of a New Single Cycle Gas Turbine -VS- New Webberville Solar Project

